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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/623,088	07/17/2003	Walter Nixon	SUNMP233	3301
<div>32291      7590      06/13/2007 MARTINE PENILLA &amp; GENCARELLA, LLP 710 LAKEWAY DRIVE SUITE 200 SUNNYVALE, CA 94085</div>				
			EXAMINER LEE, CHI HO A	
			ART UNIT 2616	PAPER NUMBER
			MAIL DATE 06/13/2007	DELIVERY MODE PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

## Office Action Summary

Application No.

10/623,088

Applicant(s)

NIXON ET AL.

Examiner

Andrew Lee

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 17 July 2003.
- 2a) ☐ This action is FINAL. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 1-24 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 11-17 is/are allowed.
- 6) ☒ Claim(s) 1-3, 6, 8-10 and 18-24 is/are rejected.
- 7) ☒ Claim(s) 4, 6 and 7 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
  - ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

ANDREW C. LEE  
PRIMARY PATENT EXAMINER

### Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/SB/08)
- Paper No(s)/Mail Date \_\_\_\_\_

- 4) ☐ Interview Summary (PTO-413)
- Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: \_\_\_\_\_

## DETAILED ACTION

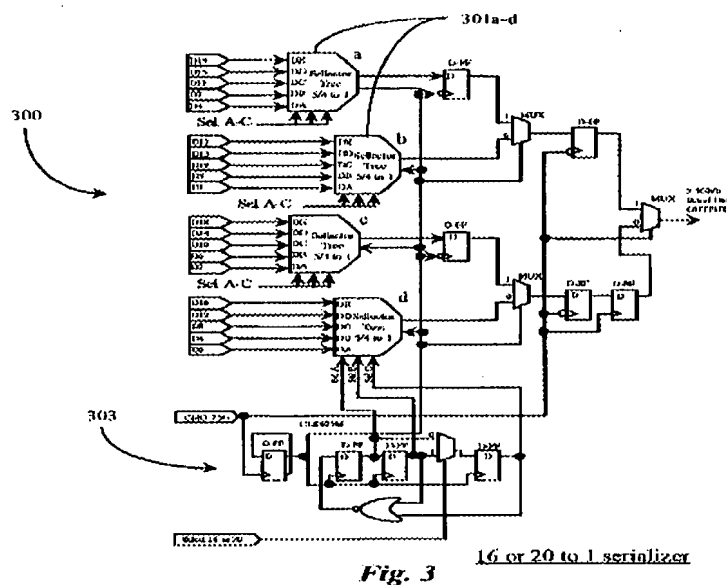
### Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

2. Claims 1-3, 6, 8-10, 18-24 are rejected under 35 U.S.C. 102(e) as being anticipated by Measor PG-PUB 2001/0007577.



Re Claims 1, 18, 20, 24, fig. 3 teaches a multimode serializer 300 (An assembler) comprising: D0~D19 inputs (a plurality of inputs) each of the put having a first clock rate

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(a first bandwidth); a plurality of Selector Tree 5/4 to 1 (a plurality of multiplexers) with a output (a multiplexer output) wherein 4 sets of inputs equals 4 Selector Tree 5/4 to 1 and each receiving a select signal SEL A~C; connected to each Selector Tree 5/4 to 1 outputs are D-FF (one or more serial connected cells... stepped arranged of cells), wherein outputs from the D-FF forms 16 bit or 20 bit word (a concatenated output) via a clock cycle of 1.25 G; the final output MUX is rated at 2.5Gb/s serial data output (a second bandwidth that is larger than the first bandwidth) [0036+].

Re Claim 2, refer to Claim 1, wherein each Selector Tree 5/4 to 1 receives different Sel A-C (selector signal) in each cycle clock wherein the Sel A-C controls the output from the Selector Tree 5/4 to 1.

Re Claim 3 refer to Claim 2, fig. 4, table 400 teaches Sel A-C defined by a sequence of signal bit signals wherein each Sel equal a number of DOUT.

Re Claims 6, 22, 23, refer to Claim 1, the D-FF are in decreasing number of one or more serially paths connected between adjacent Selector Tree 5/4 to 1s.

Re Claim 8, refer to Claim 1, wherein the rates are multiple of each other.

Re Claim 9, D-FF are flip flops.

Re Claim 10, refer to Claim 1, wherein the outputs corresponds to a different ones of the plurality of inputs.

Re Claims 19, 21, refer to Claim 18, See operating the clock 303.

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***Allowable Subject Matter***

3. Claims 4, 6, 7 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

The following is a statement of reasons for the indication of allowable subject matter:

In combination with claims 1-4, prior art fail to teach the rotating selector for generating the bit sequence defining the selector signal as claimed in claim 4.

4. Claims 11-17 are allowed

The following is a statement of reasons for the indication of allowable subject matter:

Prior art fails to teach the disassembler having a plurality of cells to receive a plurality of data packets whereby some of the plurality cells are serially connected to a number of additional cells to form the stepped arrangement of cells in a sequence manner.

***Specification***

5. The disclosure is objected to because of the following informalities: \*\*\*

Cross reference data missing and Attorney docket number should be deleted..

Appropriate correction is required.

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6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Andrew Lee whose telephone number is 571-272-3130. The examiner can normally be reached on Monday to Friday from 8:30AM to 6:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wellington Chin can be reached on 571-272-3134. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

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ANDREW C. LEE  
PRIMARY PATENT EXAMINER

